



HUNT Construction Group, Inc. - An AECOM Company  
2 Oakwood Blvd., Suite 125  
Hollywood, Florida 33020  
Phone: (305) 325-0577 Fax: (305) 325-0765  
[www.aecom.com](http://www.aecom.com)  
[www.huntconstructiongroup.com](http://www.huntconstructiongroup.com)

# **Bid Package Breakdown**

## **SUPPLEMENTAL INFORMATION**

### **For Specialty Contractor**

**BP # 30**

**Date: April 29, 2015**

**BP Name: Security System**

**Bid Package Description: Furnish and Install Security System**

**Bid Package Value:**

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**Specific Requirements and Scope:**

This scope includes the specialized trade of Furnishing, Installation and providing a Design Assist of the Security System. The firms bidding this work as a Prime will be a Highly Specialized Contractor with the necessary experience to provide this type work.

**Specific Skills Required:**

Bidder must have sufficient experience in this type of work as proven in comparable projects. Bidder must be familiar with fast track performance of project and understand that the design is ongoing. Bidder must have the financial capability to have the funds available to handle the project due to the fast track nature.

**Risks Associated with this Package:**

Work must be completed within the time frames established so as to not hold up the other trades.

**Firms must have a good safety record.**

**Experience and Licenses Required:**

Subcontractor must have 5 years of experience with successful fabrication/installation of projects of similar scale and complexity with a successful performance.

**Schedule/Performance and Manpower Requirements:**

Contractor must have the manpower capability to adhere to the fast track schedule while maintaining high quality work.

Subcontractor must have the manpower available to perform this work in the time frame allotted in this fast pace project.

**Insurance Required:**



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Subcontractor must be able to be enrolled in an OCIP program or be able to provide insurance limits of the project.

General Liability insurance will be required. (\$5M per occurrence)

**Bonding required:**

A 100% Payment and Performance Bond will be required (from an A rated size VIII or better).

**Contracting Required:**

Bidder must be able to execute the Hunt Subcontractor Agreement.

Bidder must have home office support that can maintain reporting requirements of the Construction Manager (SBD, CWP, Safety)

Bidder must have a clean record with regards to legal claims.

**Programs Required:**

SBD (CSBE) and CWP

The Stadium aspires to have at least 70% of the project's workers be residents of Miami-Dade County, 20% of which are from the County's Community Development Block Grant (CDBG) eligible areas.

The Stadium also aspires to hire a minimum of 10% of the project's workers from Miami – Gardens. Labor residing in zip codes 33056, 33055, 33054, 33169 and 33014 should be given first preference for hire.

The project also aspires to utilize as many local firms as reasonably practical and aspires to have at least 35% of the firms hired as subcontractors be firms located within Miami-Dade County.



**BP # 30 Security System:**

ATTACHMENT II

**SUBCONTRACTOR'S SCOPE OF WORK**

**A. General Description of the Scope of Work:**

Subcontractor shall perform the Subcontract Work generally described below (and as further described in the Contract Documents) to provide the following:

**BP # 30 Security System:**

The intent of this Attachment II is to describe and clarify the Work required under this Agreement. It is the responsibility of this Subcontractor to provide the Security System Work associated with the Miami Dolphins Stadium Renovations project in accordance with the Contract Documents and as described below.

**B. Payment and Performance Bonds:**

Bonds will be required:      Yes   X        No \_\_\_\_\_

Bonds will be furnished in accordance with the provisions of Attachment VI.

**C. Specific Requirements:**

1. Subcontractor shall provide (furnish and install) all Work described by the following specification sections necessary for the proper completion of this Scope of Work as further clarified by this Attachment II:

- Division 00 – All Sections
- Division 01 – All Sections
- Division 26 – 260500 COMMON WORK RESULTS FOR ELECTRICAL
  - 260519 LOW VOLTAGE ELECTRICAL POWER CONDUCTORS
  - 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
  - 260533 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
  - 260536 CABLE TRAYS FOR ELECTRICAL SYSTEMS
  - 260548 VIBRATION CONTROLS FOR ELECTRICAL SYSTEMS
  - 260553 IDENTIFICATION FOR ELECTRICAL SYSTEMS
  - 262726 WIRING DEVICES
  - 262813 FUSES
- Division 28 – 280500 COMMON WORK RESULTS FOR ELECTRICAL
  - 280800 SECURITY SYSTEM COMMISSIONING
  - 281300 ELECTRONIC ACCESS CONTROL
  - 281326 ACCESS CONTROL REMOTE DEVICES
  - 282313 VIDEO SURVEILLANCE CONTROL AND MANAGEMENT SYS

## 2. Design Intent

1. It is the intent of the Scope of Work to convey to this Subcontractor the total responsibility for the Work. This Subcontractor understands that due to the "Fast Track" nature of this project, Construction Documents may not be 100 percent complete and will develop as the project progresses. However, the Subcontractor shall perform all work required or reasonably inferred under the best practices in the Construction Industry for a complete and fully functional and operational system(s) for the purpose intended.
2. This project will require the Subcontractor to work as a team member with the Construction Manager and other members of the project team through the completion of construction to assure that all work required by this Scope will be performed in such a manner that it is complete, fully functional, and in accordance with the contract documents within the contract price.
3. References to the term "Contractor" in the Drawings and Specifications shall be interpreted to mean work by this Subcontractor as they relate to this scope of work.

## 3. Security System Scope

1. The Scope includes providing general items and services typical to the "Low Voltage" divisions. (The intent of listing scope items and services is for ease of general scope identification and is not intended to be a complete listing of all items and services that may be required to complete the scope of work as required by the Contract Documents)
  - a) Provide designated/required personnel to participate in weekly and/ or as necessary MEP and BIM Coordination Meetings hosted by the Construction Manager.
  - b) Provide designated/required personnel to participate in generating and updating the Equipment / Commissioning Matrix.
  - c) Provide, as required and/or requested by Construction Manager, and /or Building Officials, and / or Owner's Commissioning Agent, personnel to assist the start-up of Security Systems and the checkout of all building controls, life safety systems, and building commissioning using the completed "Commissioning Matrix" resulting from the MEP coordination meetings. This will include any "overtime" required and/or requested and any associated premium costs. Coordinate this work with the Life Safety Systems Contractors and the HVAC Control Systems Contractor as required.
  - d) Provide, as required and/or requested by Construction Manager "stand-by" personnel for games and events (Maximum 5 Games / Events with 6 people).
  - e) Furnish and install all required block-outs, sleeves, inserts, anchors and openings. Coordinate with all other trades, structural documents and applicable standards prior to installation.
  - f) Coordinate and mark-up all block-outs, sleeves, inserts and openings required in precast on precast shop drawings.
  - g) Coordinate and mark-up all openings required in masonry walls.
  - h) Provide any required core drilling /saw cutting including engineering costs associated with omitted or mislocated block-outs, sleeves and openings. Coordinate with all other trades and structural documents prior to installation.
  - i) Provide shop drawings for all block-outs, sleeves, inserts and openings in structural systems not reflected or referenced on structural documents prior to installation.

- j) Provide any required metal deck openings for roof mounted equipment, ductwork and piping. Coordinate with all other trades, structural documents and Hunt prior to installation.
- k) Provide UL rated fireproofing assemblies for all penetrations associated with this scope of work. Provide complete submittal of all anticipated applications prior to start of work.
- l) Provide coordination and physical layout for all required concrete housekeeping pads, bases and curbs.
- m) Provide and install all hangers, supports, clamps, rods, inserts, imbeds, slides, anchors, braces, platforms and clip angles for ductwork, piping, and equipment.
- n) All hangers, supports, clamps, rods, braces, platforms and clip angles must be of a noncorrosive material and be compatible with the South Florida environment.
- o) Coordinate the hanging of cabling and equipment with subroof contractor and other trades for a combined support system. No equipment or cabling will be installed between precast and subroof.
- p) Provide and coordinate (lay-out) installation of all access doors required by code, specifications or as reflected on the contract documents. Provide and coordinate (lay-out) as necessary for proper and reasonable access to equipment, piping, valves, etc. Access doors will match associated finishes and fire ratings. Access doors will be minimized by combined usage with associated contractors determining cost allocation.
- q) Provide protection at all times of finished and/or exposed equipment in Command Center and Communication Rooms (IC)). Provide replacement and/or repair of damaged and/or defective work at no cost to Construction Manager. Construction Manager will not be responsible for pursuing compensation from other trades for damaged and/or defective work.
- r) Review, understand and coordinate the "Sequence of Operations" as it relates to all Life Safety Systems and provide necessary components and / or options for a fully functional system as required by the Contract Documents and / or the Fire Marshall and / or the Building Officials. as it relates to the security system.

#### 4. Specific Security Systems Scope

1. The Scope includes furnishing and installing the following items. (The intent of listing scope items is for ease of major scope identification and is not intended to be a complete listing of all items that may be required to complete the scope of work as required by the Contract Documents)
  - a) The Scope includes furnishing and installing the following items. (The intent of listing scope items is for ease of major scope identification and is not intended to be a complete listing of all items that may be required to complete the scope of work as required by the Contract Documents)
  - b) Furnish, as required and/or requested by construction manager and /or building officials, personnel to assist the check-out of all building controls, life safety systems, and building commissioning as it relates to the security system. This will include any "overtime" required and/or requested and any associated premium costs. Coordinate this work with the Life Safety Systems Contractors and the HVAC Control Systems Contractor as required (if separate contractor) as it relates to the security scope of work.

- c) Furnish and install all components, raceways and wiring required to provide a fully functional CCTV/Card Access system; including cameras, card readers, motion sensors, exit buttons, panels, switches, power supplies, Fire Alarm System interconnects, key switches, cover plates, etc. as indicated in the contract documents and specifications including the use of cabletray and network backbone, supplied by others.
- d) Furnish and install all associated wiring and conduit / raceway systems for access control systems including the use of cabletray and network backbone, supplied by others.
- e) Furnish and install all conduit / raceway systems for CCTV system. Provide all wiring (CAT 6A) not provided by Communications Infrastructure Contractor (BP # 21) including the use of cabletray and network backbone, supplied by others.
- f) Furnish and install all workstations, computers, recording equipment, printers and all other CCTV/Card Access equipment shown and required in the contract documents and specifications.
- g) Furnish and install all required racks, cabinets, brackets, shelves, doors, turrets, writing surfaces, panels and equipment required for a fully functional CCTV/Card Access system and as required by the contract documents. Power strips are the responsibility of this subcontract.
- h) Furnish and install main Security Console. Coordinate with Architectural documents.
- i) Furnish and install all hangers, supports, clamps, anchors, etc. required for a complete CCTV/Card Access system installation. This includes meeting all building expansion requirements referenced and not referenced in the Contract Documents.
- j) Furnish and install any additional (not shown on the contract drawings) power supplies, strips, outlets, etc. required to allow the CCTV/Card Access system to function.
- k) Furnish and install all necessary grounding wire, bars, etc. required for the CCTV/Card Access system and run to building steel or provided ground bus. Where necessary Subcontractor is responsible for patching of damaged fireproofing, paint, walls, etc.
- l) Furnish and install all fiber optic connections and cables from each Communication closet (IC) to all required CCTV/Card Access equipment. Provide jumpers and interconnect cables necessary to connect and convert all signals as required by the contract documents. Subcontractor is to provide all necessary receivers, transmitters, jumpers, etc. necessary to interface with the provided fiber optic backbone system provided by others.
- m) Furnish and install all headend equipment necessary for a fully functional CCTV system.
- n) Installation, programming and setup of the SMS system. Subcontractor is responsible for all necessary setup and data entry as required by specification section 28 00 00.
- o) Coordinate, furnish and install all conduit, wiring and power required for door rough-in. This includes any wiring installation in mullions, columns, steel supports etc. for exterior systems.
- p) Provide complete list of door and frame prep details (per door) to door/hardware provider and coordinate via door/hardware schedule.
- q) Provide all testing, labeling and documentation of all cables and hardware. ct.
- r) Provide all required Interface to Elevator Controller as it relates to the Security system.

- s) Coordinate, furnish and install all interface with elevators including all equipment, conduit and wiring in machine rooms and interface to elevator equipment as it relates to the Security system.
- t) Coordinate with elevator contractor all "travel cable" requirements.
- u) Coordinate with elevator contractor all openings required in cabs. Furnish and install all of the following as it relates to the concessions, clubs and kitchen food service equipment:
  - (a) Rough-in and trim of security outlets and devices per final approved food service shop drawings.
  - (b) Security outlets in walls, floors and ceiling.
  - (c) All junction boxes, cover plates, switches, etc., at the walls by this Subcontractor. All junction boxes, cover plates, switches, etc. at the equipment by the Food Service Contractor. All outlets, junction boxes, cover plates, etc. in dish rooms and other high moisture areas, or as indicated in schedules, shall be vapor proof.
  - (d) All security devices at vault and/or cash holding area.
- v) Rough-in and trim of security outlets and devices per final approved food service shop drawings.
- w) Security outlets in walls, floors and ceiling.
- x) All junction boxes, cover plates, switches, etc., at the walls by this Subcontractor. All junction boxes, cover plates, switches, etc. at the equipment by the Food Service Contractor. All outlets, junction boxes, cover plates, etc. in dish rooms and other high moisture areas, or as indicated in schedules, shall be vapor proof.
- y) All security devices at vault and/or cash holding areas.
- z) Construction Manager to review and approve all typical conduit and exposed cabling routing prior to installation. Provide "mock-up" for every "typical" installation.